Show All Solutions

Rosen, Discrete Mathematics and Its Applications, 7th edition, Global Edition
Extra Examples
Section 11.2—Applications of Trees

Extra Examples — *Page references correspond to locations of Extra Examples icons in the textbook.*

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p.729, icon at Example 3
#1. Suppose you have five coins — three are good, but two are counterfeit. Assume that a counterfeit coin is heavier than a good coin and that the two heavy coins have the same weight. A balance scale will be used to find the bad coins and determine which are the heavy coins. Draw a decision tree that describes the process.

See Solution

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p.733, icon at Example 5
#1. Use Huffman coding to encode the following five symbols with given frequencies:

A: 0.23 B: 0.14 C: 0.16 D: 0.18 E: 0.29

See Solution